

AMENDMENTS TO THE SPECIFICATION

Page 2, insert the following paragraph before the line 1:

--CROSS-REFERENCE TO RELATED CASES

61 The present application claims the priorities of German patent application Serial No. 199 32 505.7 filed July 12, 1999, of German patent application Serial No. 199 63 238.8 filed December 27, 1999, and German patent application Serial No. 100 15 205.8 filed March 27, 2000, and is a continuation of International patent application Serial No. PCT/DE00/02275 filed July 7, 2000.---

Page 13, rewrite the last paragraph (lines 14-25) as follows:

62 --The second part of the improved apparatus can be provided with at least one segment-shaped or circumferentially complete recess, and the at least one tracking device can comprise a plurality of rolling elements which are disposed in the recess. The recess has an end portion at which the ~~rolling~~ rolling elements are introduced into a starting point of the recess, preferably into the starting point of a thread-shaped recess. Such thread-shaped recess can further comprise

62x
cont

a starting portion and the rolling elements can be guided - in the region of transition from the starting and end portions - into a path which extends radially outwardly of the radius--.

Page 26, insert the following paragraph between the lines 5 and 6:

a3

--Fig. 1A is a fragmentary elevational view of a combination of parts which can be utilized in the apparatus of Fig. 1 if an electric motor is to be replaced with a turbine;--

Page 27, rewrite the fifth paragraph (lines 14 to 17) as follows:

a4

--Fig. 14 is a similar axial sectional view of the clutch which is shown in Fig. 14 13 and of a clutch engaging/disengaging engaging/disengaging apparatus constituting a modification of the apparatus shown in Fig. 13;--

Page 28, rewrite the penultimate paragraph (lines 21 to 24) as follows:

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--Fig. 24 is a ~~transverse~~ transverse sectional view of an adjustable pulley wherein the adjusting means comprises a radial movement effecting apparatus embody-

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cont

ing a further form of the present invention;--

Page 31, rewrite the first paragraph (lines 1 to 12) as follows:

64
--or housing which also supports the spindle 10. The apparatus 1 is mounted on a shaft 2. The means for moving the part 13 axially of the shaft 2 in response to rotation of the part 11 includes a preferably composite follower arrangement or assembly 27 which shares the angular movements of the part 11, and a coil spring 12 having or being constituted by a helix 29 which is tracked by the follower assembly 27. In the embodiment of Fig. 1, the follower assembly 27 must orbit about the common axis X of the shaft 2 and motor 20 in order to move the part 13 axially in a direction to the right or to the left, ~~depeding~~ depending upon the setting of the motor 20.--

Page 32, rewrite the second paragraph (lines 9 to 22) as follows:

67
--The illustrated reversible motor 20 is an electric motor (such motor is preferred in numerous embodiments of the improved apparatus) wherein the stator 21 comprises a cylindrical sleeve-like radially inner portion or section 22 having a radially outwardly

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extending end portion 22a snugly received in and affixed to an annular receptacle 3a of the support 3. The end portion 22a is configured to define an annular groove or pocket for an antifriction ~~bearing~~ bearing 24 (shown in the form of a ball bearing) which mounts a smaller-diameter end portion of a tubular member 25 confining and rotating with the rotor 26 of the reversible motor 20. The rotor 26 surrounds that portion of the stator 21 which, in turn, surrounds the aforementioned cylindrical section 22.--

Page 33, rewrite the second paragraph (lines 6 to 22) as follows:

a8

--The follower assembly 27 in the apparatus 1 of Fig. 1 comprises an annular holder 27a having a T-shaped cross-sectional outline (as seen in a plane including the axis X). The radially inner portion of the holder 27a is welded and/or otherwise affixed to the tubular member 25 (i.e., to the rotor 26 of the motor 20). The radially extending surfaces of the holder 27a are provided with contact portions 28 abutting the adjacent contact portions 30 of those convolutions 30a, 30b of the helix 29 which are separated from each other by the follower assembly 27. The ~~spiral~~ helix 29 is a thin web or strip of resilient metallic

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cont

or plastic material which is convoluted in such a way that the thickness of its convolutions 30a, 30b (as seen in the direction of the axis X) is small or very small and is a small fraction of the width (as measured radially of the axis X) of such convolutions.--

Page 47, rewrite the last paragraph (lines 18 to 25) as follows:

29

--The coil spring 312 is centered on the shaft 303. That end convolution of this spring which is adjacent to and can bear upon the component(s) which is or which are to be shifted axially of the shaft 303 in response to starting of the motor 320 to drive the rotor 326 and the part 313 clockwise or counterclockwise can be provided with a friction reducing bearing at the end convolution 312a. Such bearing is particularly important if the angular velocity--

Page 49, rewrite the first paragraph (lines 1 and 2) as follows:

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--of the spindle 210 in an apparatus which embodies the ~~structure~~ structure of Figs. 6 and 7.--

Page 50, rewrite the first paragraph (lines 1 to 9) as follows:

a11
--527b installed in a cage 550 (see Figs. 11 and 11a).
The followers 527a, 527b are rolling elements which res-
pectively roll along the convolutions 529a, 529b of the
helix 529. The cage 550 is fixedly secured to the first
part 511 which, in the embodiment of Figs. 9 to 11a,
receives torque from the motor (not shown) and includes
a circumferentially extending portion for the radially
inwardly extending rolling elements which constitute
the followers 527a, 527b.--

Page 56, rewrite the first paragraph (lines 1
to 6) as follows:

a12
--device must extend between the neighboring convolu-
tions; all other parts of the coil spring can assume
the positions or conditions of minimal length. Each
such part of the tracking device which extends between
two convolutions of the coil spring can effect a
stretching or ~~lengthening~~ lengthening of the spring.--

Page 72, rewrite the second paragraph (lines 6
to 20) as follows:

a13
--In order to reduce or even eliminate axial play
between the two parts of the improved apparatus, or to
establish special characteristic force lines in the di-
rection of action of the drive, the two parts of the

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cont

apparatus can be assembled in stressed condition. This can be achieved by the helix, e.g., by utilizing (a) a helix which is a compression spring and maintains the first and second parts of the apparatus in axially stressed ~~condition~~-, condition, and/or (b) a helix which is attuned in such a way that, when properly installed, its convolutions abut each other or are maintained at a preselected spacing from one another. At least one bearing can be installed between such helix and the first part of the apparatus. Reference may be had to certain preceding passages of this specification.--

Page 76, insert the following paragraph after the line 25:

a14

--Fig. 1A shows a part of an apparatus 1A wherein the shaft 2A carries a turbine 20A (such as a compressed-air turbine) which serves to rotate the part 11A. The reference character 20B denotes a source of compressed gaseous fluid which is connected to the turbine 20A.--

Page 85, rewrite the second paragraph (lines 15 to 22) as follows:

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--The motor 720 of the apparatus 701 has a housing 722 which is mounted on the input shaft 703 of the

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cut

change-speed transmission receiving torque from the clutch disc 756 when the clutch 750 is at least partially engaged. The housing or support 722 of the motor 720 includes a portion 722a which is secured to the transmission case 703b by bolts 712 703d or by other suitable fastener means.--

Page 105, rewrite the second paragraph (lines 16 to 25) as follows:

a16

--The reference character 1180 denotes a flywheel or mass which includes a counterpressure plate 1181a forming part of the clutch 1170a, and a counterpressure plate 1181 forming part of the clutch 1170b. The mass 1180 is rotatable, on a bearing 1182, relative to the output shaft 1103a of the prime ~~mover~~, mover when the clutch 1170a is disengaged. When the clutch 1170b is disengaged, the mass 1180 can rotate relative to the input shaft 1103 of the transmission. Thus, if the clutch 1170a is disengaged simultaneously with the clutch 1170b, the mass 1180--

Page 115, rewrite the first paragraph (lines 1 to 19) as follows:

a17

--housing sections 1311a, 1311b. The follower means or tracking device comprises several (e.g., three circumfe-

Q17
cont

rentially spaced apart) pin-shaped discrete followers 1332 rotatably mounted in bearings 1327a, 1327b installed in a holder or carrier 1327 having a T-shaped cross-sectional outline. The bearings 1327a, 1327b can constitute friction or antifriction bearings. The holder 1327 ~~is received in~~ receives a sleeve 1328 which carries a flange 1329 for the aforementioned ring 1376. The parts 1327, 1329, 1376 are fixedly secured to each other, e.g., by welding, by resorting to rivets or press fits, or in any other suitable manner. However, it is equally possible to combine two or all three of these parts into a single part. The parts 1327, 1329, 1376 are centered relative to the clutch cover 1392 or relative to the housing 1311; such centering can be carried out by resorting to circumferentially spaced-apart centering lobes or, as shown in Fig. 21, by a circumferentially complete centering member 1311e.--

Page 128, rewrite the first paragraph (lines 1 to 5) as follows:

Q18

--is confined between the portions 1613, 1614 of two sidewalls or flanges 1603, 1604. In Fig. 14, 24, the detachable portion 1613 of the flange 1603 is omitted in order to reveal certain details of the structure which is installed between the two flanges.--

Page 135, rewrite the second paragraph (lines 11 to 22) as follows:

plg
--The apparatus of Fig. 19 can be modified by incorporating therein more than two axial drives which are radially encapsulated into each other to thus save substantial amounts of space. The actuator (1120) remains radially inwardly and actuates the diaphragm springs 1193, 1194 of the two illustrated friction clutches 1070, 1070a and 1070b as well as the diaphragm spring(s) of the additional friction clutch(es). The two axial drives can be mounted in parallel (as actually shown in Fig. 19) or in series by resorting to a single prime mover or to discrete prime movers (e.g., to several electric motors (see Fig. 19)).--